

Title (en)  
CHARGE COUPLED DEVICE

Publication  
**EP 0001146 B1 19821020 (EN)**

Application  
**EP 78200170 A 19780831**

Priority  
NL 7709916 A 19770909

Abstract (en)  
[origin: EP0001146A1] In bulk ccd's the non-linearity in the input characteristic caused by varactor effects is removed by moving the potential well in which the charge packets are generated below the input electrode to the surface where the centre of electrical charge is substantially independent of the value of the charge. Said shift can be obtained by external means, for example an extra d.c. voltage at the input electrode, or by internal means, for example thicker oxide below the input electrode.

IPC 1-7  
**H01L 27/10**; **H01L 29/78**

IPC 8 full level  
**H01L 21/339** (2006.01); **H01L 27/14** (2006.01); **H01L 29/10** (2006.01); **H01L 29/762** (2006.01); **H01L 29/768** (2006.01)

CPC (source: EP US)  
**H01L 29/1062** (2013.01 - EP US); **H01L 29/76808** (2013.01 - EP US)

Cited by  
EP0441440A1; US4819067A

Designated contracting state (EPC)  
DE FR GB NL SE

DOCDB simple family (publication)  
**EP 0001146 A1 19790321**; **EP 0001146 B1 19821020**; AU 3958978 A 19800313; CA 1135857 A 19821116; DE 2862063 D1 19821125; IT 1174383 B 19870701; IT 7827392 A0 19780906; JP S5453870 A 19790427; JP S6318344 B2 19880418; NL 7709916 A 19790313; US 4280068 A 19810721

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**EP 78200170 A 19780831**; AU 3958978 A 19780906; CA 310870 A 19780907; DE 2862063 T 19780831; IT 2739278 A 19780906; JP 10986878 A 19780908; NL 7709916 A 19770909; US 15425280 A 19800529